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1   Multimedia simplification for optimized MMS synthesis

Wei-Qi Yan, Mohan S. Kankanhalli

Full text available: 📄 Pdf (9.63 MB)   Additional Information: full citation, abstract, references, index terms

We propose a novel transcoding technique called *multimedia simplification* which is based on experiential sampling. Multimedia simplification helps optimize the synthesis of MMS (multimedia messaging service) messages for mobile phones. Transcoding ...

Keywords: MMS synthesis, Multimedia simplification, experiential sampling, home care monitoring, hypermedia coherence, mobile phone, soccer video

2 Two algorithms for automatic document page layout

João Batista S. de Oliveira
September 2008   DocEng '08: Proceeding of the eighth ACM symposium on Document engineering
Publisher: ACM

Full text available: Pdf (564.70 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 40,   Downloads (12 Months): 40,   Citation Count: 0

This paper describes two approaches to the problem of automatically placing document items on pages of some output device. Both solutions partition the page into regions where each item is to be placed, but work on different input data according to the ...

Keywords: automatic page layout, packing, placement algorithms

3 The design and performance of a pluggable protocols framework for real-time distributed object computing middleware

Carlos O'Ryan, Fred Kuhns, Douglas C. Schmidt, Ossama Othman, Jeff Parsons
April 2000   Middleware '00: IFIP/ACM International Conference on Distributed systems platforms
Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (231.64 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 63,   Citation Count: 13

To be an effective platform for performance-sensitive real-time and embedded applications, off-the-shelf CORBA middleware must preserve the communication-layer quality of service (QoS) properties of applications end-to-end. However, the standard CORBA ...

4 Creating non-decomposable stream bundles in multimedia web services using uSMIL

Naren Kodali, Csilla Farkas, Duminda Wijesekera
October 2004   SWS '04: Proceedings of the 2004 workshop on Secure web service
Publisher: ACM

Full text available: Pdf (367.33 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 21,   Citation Count: 0

Technical advances in networks, operating systems and web based services are enabling new web-based services such as audiovisual surveillance, monitoring and recording of unfolding real world scenes. Leaving room to alter the chronology of such real-world ...

Keywords: evidence fabrication, integrity, semantics, synchronized multimedia

5   Content publishing framework for interactive paper documents

Moira C. Norrie, Alexios Palinginis, Beat Signer
November   DocEng '05: Proceedings of the 2005 ACM symposium on Document
2005   engineering
Publisher: ACM

Full text available: Pdf (721.89 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 61,   Citation Count: 1

Paper persists as an important medium for documents and this has motivated the development of new technologies for interactive paper that enable actions on paper to be linked to digital actions. A major issue that remains is how to integrate these technologies ...

Keywords: interactive paper, publishing framework

6   A method for risk mitigation during the requirements phase for multimedia software systems

Kohl Witmer, Rhoda Baggs Koss, Tamas Kasza
October   SIGDOC '06: Proceedings of the 24th annual ACM international conference
2006   on Design of communication
Publisher: ACM

Full text available: Pdf (753.39 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 60,   Citation Count: 0

The Multimedia Requirements Method for Easy Risk Mitigation (MURMER) is proposed. This method represents requirements for multimedia document types containing audio, video, image or textual data. MURMER aims to increase the overall transparency and reliability ...

Keywords: multimedia requirements, risk mitigation

7 Cache performance for multimedia applications

Nathan T. Slingerland, Alan Jay Smith
June   ICS '01: Proceedings of the 15th international conference on Supercomputing
2001
Publisher: ACM

Full text available: Pdf (642.63 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 119,   Citation Count: 14

> The caching behavior of multimedia applications has been described as having high
> instruction reference locality within small loops, very large working sets, and poor
> data cache performance due to non-locality of data references. Despite this, there ...
>
> Keywords: CPU caches, cache, mulitmedia, simulation, trace driven simulation

8 Adaptive disk scheduling in a multimedia DBMS

Ketil Lund, Vera Goebel
November   MULTIMEDIA '03: Proceedings of the eleventh ACM international
2003   conference on Multimedia
Publisher: ACM

Full text available: Pdf (326.60 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 71,   Citation Count: 2

> In this paper, we present APEX, a disk scheduling framework with QoS support,
> designed for environments with highly varying disk bandwidth usage. In particular, we
> focus on a Learning-on-Demand scenario supported by a multimedia database
> management system, ...
>
> Keywords: MMDBMS, QoS, disk scheduling

9 Trustworthy 100-year digital objects: durable encoding for when it's too late to ask

H. M. Gladney, R. A. Lorie
July   ACM Transactions on Information Systems (TOIS),   Volume 23 Issue 3
2005
Publisher: ACM

Full text available: Pdf (1.04 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 15,   Downloads (12 Months): 116,   Citation Count: 2

> How can an author store digital information so that it will be reliably intelligible, even
> years later when he or she is no longer available to answer questions? Methods that
> *might* work are not good enough; what is preserved today should be reliably ...
>
> Keywords: Long-term digital preservation, encoding

10 Multimedia meets computer graphics in SMIL2.0: a time model for the web

Patrick Schmitz

May 2002   WWW '02: Proceedings of the 11th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (253.40 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8,   Downloads (12 Months): 50,   Citation Count: 3

Multimedia scheduling models provide a rich variety of tools for managing the synchronization of media like video and audio, but generally have an inflexible model for time itself. In contrast, modern animation models in the computer graphics community ...

Keywords: animation, multimedia, synchronization, timing

11 Synchronization in the MAEstro multimedia authoring environment

George D. Drapeau

September 1993   MULTIMEDIA '93: Proceedings of the first ACM international conference on Multimedia

Publisher: ACM

Full text available: Pdf (65.56 KB), Ps (87.29 KB)   Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 26,   Citation Count: 3

12 Applying caT's programmable browsing semantics to specify world-wide web documents that reflect place, time, reader, and community

Richard Furuta, Jin-Cheon Na

November 2002   DocEng '02: Proceedings of the 2002 ACM symposium on Document engineering

Publisher: ACM

Full text available: Pdf (947.45 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 13,   Citation Count: 3

In this paper we discuss application of caT, which extends the Trellis Petri-net-based model of document/hypertext, towards specification of Web-browsable documents that respond to their reader's characteristics, browsing activities, use environment, ...

Keywords: Petri-net-based hypertext, Trellis, caT, context-aware hypertext

13 A multimedia broker to support accessible and mobile learning through learning objects adaptation

Paola Salomoni, Silvia Mirri, Stefano Ferretti, Marco Roccetti

February   ACM Transactions on Internet Technology (TOIT),   Volume 8 Issue 2
2008

Publisher: ACM

Full text available: Pdf (2.55   Additional Information: full citation, abstract, references, index terms
MB)

Bibliometrics: Downloads (6 Weeks): 33,   Downloads (12 Months): 304,   Citation Count: 0

The large diffusion of e-learning technologies represents a great opportunity for underserved segments of population. This is particularly true for people with disabilities for whom digital barriers should be overstepped with the aim of reengaging them ...

Keywords: Accessibility, content transcoding, device profiling, e-learning, mobile-learning, multimedia adaptation, user profiling

14 An export architecture for a multimedia authoring environment

Jan Mikác, Cécile Roisin, Bao Le Duc

September   DocEng '08: Proceeding of the eighth ACM symposium on Document
2008   engineering

Publisher: ACM

Full text available: Pdf (446.62   Additional Information: full citation, abstract, references, index terms
KB)

Bibliometrics: Downloads (6 Weeks): 24,   Downloads (12 Months): 24,   Citation Count: 0

In this paper, we propose an export architecture that provides a clear separation of multimedia authoring services from publicaction services. We illustrate this architecture with the LimSee3 authoring tool and several standard publication formats: Timesheets, ...

Keywords: SMIL, export, multimedia document, publishing format, timesheets

15 User experiences on combining location sensitive mobile phone applications and multimedia messaging

Jonna Häkkilä, Jani Mäntyjärvi

October   MUM '04: Proceedings of the 3rd international conference on Mobile and
2004   ubiquitous multimedia

Publisher: ACM

Full text available: Pdf (355.30   Additional Information: full citation, abstract, references, index terms
KB)

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 142,   Citation Count: 1

Quickly emerging usage of multimedia messages offers new approach for mobile and collaboration between users and services by providing a mature and easy accessible technology. This paper investigated possibilities of location related messaging, where ...

Keywords: context-awareness, location, mobile applications, mobile communication, multimedia messaging

16 Playback of mixed multimedia document

Cyril Concolato, Jean Le Feuvre
September 2008   DocEng '08: Proceeding of the eighth ACM symposium on Document engineering
Publisher: ACM

Full text available: Pdf (734.87 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 17,   Citation Count: 0

Many multimedia languages exist today to describe animated, interactive, 2D or 3D graphics and media elements, and each language has its merits. We studied the problems underlying the integration of all these languages in a single player. We present ...

Keywords: BIFS, SVG, VRML, mixed documents, multimedia player

17 Towards a multimedia formatting vocabulary

Jacco van Ossenbruggen, Lynda Hardma, Joost Geurts, Lloyd Rutledge
May 2003   WWW '03: Proceedings of the 12th international conference on World Wide Web
Publisher: ACM

Full text available: Pdf (189.77 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 51,   Citation Count: 3

Time-based, media-centric Web presentations can be described declaratively in the XML world through the development of languages such as SMIL. It is difficult, however, to fully integrate them in a complete document transformation processing chain. In ...

Keywords: Cuypers, document transformation, formatting objects, hyper-media, multimedia

18 Live editing of hypermedia documents

Romualdo Monteiro de Resende Costa, Márcio Ferreira Moreno, Rogério Ferreira Rodrigues, Luiz Fernando Gomes Soares

October 2006   DocEng '06: Proceedings of the 2006 ACM symposium on Document engineering

Publisher: ACM

Full text available: Pdf (236.34 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 72,   Citation Count: 0

In some hypermedia system applications, like interactive digital TV applications, authoring and presentation of documents may have to be done concomitantly. This is the case of live programs, where not only some contents are not known a priori, but also ...

Keywords: NCL, SBTVD, declarative middleware, ginga, interactive digital TV

19 Adaptation of scalable multimedia documents

Benoît Pellan, Cyril Concolato

September 2008   DocEng '08: Proceeding of the eighth ACM symposium on Document engineering

Publisher: ACM

Full text available: Pdf (350.24 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 29,   Downloads (12 Months): 29,   Citation Count: 0

Several scalable media codecs have been standardized in recent years to cope with heterogeneous usage conditions and to aim at always providing audio, video and image content in the best possible quality. Today, interactive multimedia presentations are ...

Keywords: document adaptation, document model, multimedia scalability

20 A pluggable service-to-service communication mechanism for home multimedia networks

Jin Nakazawa, Hideyuki Tokuda

December 2002   MULTIMEDIA '02: Proceedings of the tenth ACM international conference on Multimedia

Publisher: ACM

Full text available: Pdf (436.61 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 3,   Downloads (12 Months): 55,   Citation Count: 0

This paper proposes a pluggable service-to-service (S2S) communication mechanism in a middleware for home networks, called Virtual Networked Appliance (VNA) architecture. In the architecture, service description method and the plug-gable S2S communication ...

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